

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: earlve3ab@host.igs.net
Subject: [2190] ARGONAUT 505 PROBLEMS NEED HELP
Message-ID: <199608070250.WAA13068@host.igs.net>

I OWN A MODEL 505 WHICH IS IN GOOD SHAPE AND HAS BEEN FACTORY ALIGNED AT TEN TEC BY A PREVIOUS OWNER BUT IT SEEMS TO LACK SENSITIVITY IN THE FRONT END. I COMPARE THE ARGO ON RCV TO MY YAESU FT77 AND WHERE A BAND WILL BE ALIVE WITH SOME SIGNALS THE ARGO BY COMPARISION SEEMS TO BE VERY FLAT AND THE SIGNALS ARE DOWN. I THINK THE PROBLEM IS WITH THE DUAL GATE MOSFET IN THE RF AMPLIFIER STAGE OF THE RCVR. ARE THEY SUBJECT TO DAMAGE.? IS IT POSSIBLE THAT WHEN I TRANSMIT RF IS GETTING INTO THE RCVR AND BLOWS THIS MOSFET? I REPLACED THIS DEVICE WITH AN EXPENSIVE ECG 222 AND THE RCVR SEEMED TO BE ALOT MORE SENSITIVE BUT I TRANSMITTED AND AFTER I TUNED UP THE RCVR SEEMED TO BE LOW ON SENSITIVITY AGAIN. I BOUGHT A COUPLE OF SURPLUS DEVICES DG MOSFETS AND THEY DIDN'T HELP WHEN INSTALLED. I THINK THEY MIGHT HAVE BEEN STATIC DAMAGED BECAUSE THEY WEREN'T PROPERLY WRAPPED. I WONDER IF THIS IS A CHARACTERISTIC OF DG MOSFETS? WHEN DAMAGED THEY STILL FEED A SIGNAL THROUGH BUT DON'T AMPLIFY OR WORSE THEY MAY ATTENUATE. THESE DG MOSFETS ARE GETTING HARDER TO FIND AND THEY ARE EXPENSIVE UP HERE IN CANADA. I'D LIKE TO REPLACE THIS TRANSISTOR WITH ONE OF THE MORE MODERN DEVICES LIKE THE MINICCTS MAR-1 WHICH HAS A LOW NOISE FIGURE AND PLENTY OF AMPLIFICATION. THE ONLY PROBLEM IS THE ARGONAUT INPUT/OUTPUT IMPEDANCES OF THE FRONT END, I THINK A DG MOSFET IS A HIGH Z DEVICE WHEREAS THE MAR-1 IS A 50 OHM DEVICE. CAN ANYONE HELP ME OUT? I OWNED A 505 THAT I BOUGHT NEW BACK IN 1974 AND I THOUGHT IT HAD A REAL SENSITIVE RECIEVER. MY CURRENT ARGO HAS A SLUGGISH RCVR AND A VERY STINGY S METER TO BOOT. ANOTHER POSSIBILITY IS THE REED RELAY IN THE TR CCT. MAYBE THE CONTACTS ARE NOT FULLY ENGAGED OR OXIDIZED. ANY IDEAS ON A REPLACEMENT TYPE. THANKS FOR READING THIS. PLEASE FEEL FREE TO E-MAIL ME AT THE FOLLOWING: earlve3ab@host.igs.net ---- BY THE WAY ID BE INTERESTED IN OBTAINING AN OLD ARGONAUT FOR RESTORATION. IM PRETTY GOOD AT MOST ELECTRONICS AND REPAIRS/MODS EXCEPT IM WEAK IN THE THEORY AND OPERATION OF DG MOSFETS. FROM MY EXPERIENCE WITH THEM ID SAY THEY CAN BECOME DEFECTIVE AT THE DROP OF A HAT--YET MOST ARGO 505/509 OWNERS IVE TALKED TO HAVEN'T HAD THIS KIND OF PROBLEM. 72/73 TNX EARL ANDREWS VE3AB

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Charles Cashion <sun1055!ccashion@uunet.uu.net>
Subject: [2165] atomic email address
Message-ID: <9608061533.AA12360@sun1055.spd.dsccc.com>

Brad Mitchel has frequently posted to this group.
His most recent email address(es) include...

bmitchel@juno.com
bmitchel@cba.kodak.com
mitchell@dtcs70.dtc.kodak.com

The home phone for either might be listed in a phone book.

72s,
Charles Cashion, W5ISZ, ccashion@spd.dsccc.com

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+ - - - - - +  
| Please do not use the reply feature of your mailer. My mail passes thru |  
| uunet.net and they change my address to sun1055!ccashion@uunet.uu.net |  
| which at the very least, is a prevarication. |  
+ - - - - - +
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From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Charles Cashion <sun1055!ccashion@uunet.uu.net>
Subject: [2157] Atomic Keyer addresses
Message-ID: <9608061424.AA12132@sun1055.spd.dsccc.com>

Dave, AC5GY requested the Atomic Keyer addresses.

>From the June issue of QRPP...

Embedded Research
Box 92492
Rochester, NY 14692

AK-1 kits are \$29.95 + 3.95 s/h

The inventors include...
Brad S. Mitchell, WB8YGG, 148 Holley St, Brockport, NY 14420
Gary M Diana, Sr., N2JGU, 65 Pacer Dr, Henrietta, NY 14467

72s, 73s, whatever it takes,
Charles Cashion, W5ISZ
working email address: ccashion@spd.dsccc.com
broken email address: any address containing uunet

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Jeff Gold <JMG@tntech.edu>
Subject: [2159] Cascade
Message-ID: <01I7Y8BGBSUQ96VSRX@tntech.edu>

Well thanks to the EXTENSIVE help of a most wonderful list member, my Cascade is finally on the air. It only puts out 3 watts on 20 meters. I have had VERY good luck making contacts. The audio reports I have received have all been positive. I have gotten through to special events stations and worked part of an Iota contest. So far I am most happy.

I would really like to have 8 watts or so output, but don't really want to mess too much with it, now that is working.

I saw a Ramsey HF amplifier kit in one of the magazines. I am very tempted to try it.. but have not had too good a feeling about their products.. anyone built this?

72
Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [2168] CQC Info and Application
Message-ID: <960806171556_75230.1405_HHB36-1@CompuServe.COM>

Colorado QRP Club

The Colorado QRP Club (CQC) was formed January, 1994, for the purpose of promoting low power amateur radio in Colorado and worldwide. Our motto is "Life's too short for \$800 finals."

Meetings are held bi-monthly in January, March, May, July, September and November and our award winning newsletter, The Low Down, is also published bi-monthly. Articles in the Low Down come from members as well as other publications and Internet. Articles are always welcome. The Low Down is also used to disseminate information such as features of the various QRP kits, addresses of parts and kit suppliers, information and addresses of other QRP Clubs worldwide and Email and packet addresses of members, other QRP Clubs, amateur organizations and suppliers of equipment and parts. CQC ONLINE is also sent to all members with a packet or Email address. CQC ONLINE includes items not included in The

Low Down or are timely. The Editor of The Low Down and CQC ONLINE is club president Rich High, WOHEP.

CQC also participates in Field Day (Won section 3A in '95, 2A contenders in '96!), sponsors two QRP QSO parties each year and sponsors the Colorado QRP Counties Award. Contest and award information is available from KGOPP (Email: Ejim@aol.com).

We have about 350 members as of August, 1996. Membership is open to anyone interested in low power amateur radio. We currently have members from all corners of the U.S. and several foreign countries. Our dues are \$10.00 per year. Additional family members at the same QTH are \$2.00 each. Please include separate applications for family members. Complete the attached application form and send with your check to Colorado QRP Club, Box 460101, Aurora, CO 80046-0101.

Colorado QRP Club
POB 371883
Denver CO 80237-1883

You can also apply for membership by email-- complete the following form and send to CQC@aol.com. You will receive your membership number via email, pending receipt of your check at the post office box shown above.

If you have any further questions about the Colorado QRP Club, please send inquiries to: CQC 740 Galena Street, Aurora, CO 80010-3922 (Email:CQC@aol.com or via packet at w0hep@kt0h.neco.co.usa.noam).

CQC Membership Application

Call:

Name:

License Class:

Address:

City/State/Zip:

Phone:

Fax:

Packet Address:

Email Address:

Member of: ARRL? Other QRP clubs:

Occupation:

QRP: Active? Inactive? New to QRP? Interested in QRP?

QRP Equipment used:

Bands operated:

Interests: Technical? Operating? DX? Contests?
 Construction? Portable? Mobile? QRPP?
 VHF/UHF? Digital modes? Antennas? Other?

Signature/Call:

Date:

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [2157] EMBEDDED RESEARCH
Message-ID: <9607068393.AA839346903@smtpgw.ccgate.dl.nec.com>

Gang:

Does anybody have the tel# for
Embedded Research? Or, if the owner
patrols the list perhaps they can
give the number.

I'm hot and heavy about ordering an
Atomic Keyer, but have a few simple
questions.

Thanks in advance!!

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>
Subject: [2150] For Sale: ICOM 730 1W - 100W
Message-ID: <19A9BB3994@dental3.ab.umd.edu>

Hi Gang -

Well, as some of you know, I always sign as "Always QRP!". And I
have tried to live up to this. But the Icom 730 I have, even though
modified to do down to 1 watt, still goes up to 100 watts. When in the
thoughts of a European contact and the QRM becomes too much I
have turned up the power. WELL NO MORE!!!!

For Sale: Icom 730 - 80M to 10M, AM,USB,LSB,CW, with
RIT, Digital display using 10k/1k/100hz tuning, A/B memory (great for
those Euro Splits), w/ Icom micro. Also with 20 Amp power supply.

Really am going QRP only, guys. All this for \$600.00

My QRP+, ARK 40, Sierra, Sprint II will have to suffice. I haven't found SSB to be real enjoyable, CW is the only thing I consistently do and I do it QRP, so the ICOM goes.

email DAY <jfm001@dental3.ab.umd.edu>

or EVENING <mcclun@clark.net>

phone: (410) 461-3775

John N3REY

Always QRP!

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

Subject: [2149] FS: OHR Classic dual bander (20/40) w/keyer

Message-ID: <Pine.3.89.9608060710.A23246-0100000@w3eax.umd.edu>

Works perfectly, just aligned 3 days ago. A shade over 3 watts on 20m, and will run up to 7 watts on 40m (currently throttled back internally to 5 max). Power adjustable from rear panel.

Diode ring mixer, very tight receiver. Built-in Curtis keyer with speed control on front panel of radio.

I'm looking for a kit rig to build.

Radio is in excellent condition, with all docs. Sells new for \$240 as kit, asking \$179 plus \$6 to ship.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996

From: Dick Schneider <74602.3317@CompuServe.COM>

Subject: [2164] FS: TEN TEC OMNI-D HF RIG ES PWR SUP

Message-ID: <960806150551_74602.3317_EHH67-1@CompuServe.COM>

FOR SALE: TEN TEC OMNI-D HF TRANSCEIVER AND POWER SUPPLY

JUST REBUILT BY TEN TEC. EXCELLENT CONDITION. ENTIRE RECEIVE PRE-SELECT ASSEMBLY WAS REPLACED WITH AN UPGRADED MODEL. GREAT EARS!

160-10 Meters. Superb starter rig.

80-100 Watts Output. CW and SSB. Excellent filtering for CW. Can crank power down to MW level for QRP and QRPP operation.

POWER SUPPLY: TEN TEC 280 W/2 12V AUX OUTPUTS AS WELL AS MAIN OUTPUT.

\$550 INCLUDES Insured shipping to U.S.

Please E-mail reply to 74602.3317@compuserve.com

72/73 Dick/AB0CD

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: KT3A@aol.com
Subject: [2187] Fwd: ARLB050 New RF standards Part 1
Message-ID: <960806213858_173367437@emout10.mail.aol.com>

In a message dated 96-08-06 19:35:31 EDT, w1aw-list@arrl.org writes:

>SB QST ARL ARLB050
>ARLB050 New RF standards Part 1
>
>New FCC RF safety standards effective January 1, 1997, could affect
>the way some hams operate, perhaps especially those using
>vehicle-mounted antennas. As a result of a Report and Order adopted
>by the FCC on August 1 (ET Docket No. 93-62, Guidelines for
>Evaluating the Environmental Effects of Radiofrequency Radiation),
>Part 97 will require hams running more than 50 W PEP to conduct
>routine RF radiation evaluations to determine if RF fields are
>sufficient to cause human exposure to RF radiation levels in excess
>of those specified.

In view of the changing times, let's use this opportunity to promote QRP!
The report and order can be obtained from the FCC by pointing to:
http://www.fcc.gov/Bureaus/Engineering_Technology/Orders/fcc96326.txt

There is concern regarding exposure from indoor antennas as well.
Makes me glad I use low power. I won't have much to worry about.

72 de cameron, kt3a (Less than 50 watts anyway).

Forwarded message:
From: w1aw@arrl.org

Resent-from: w1aw-list@arrl.org
To: QST@emin27.mail.aol.com
From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [2151] G3RJV EMAIL
Message-ID: <Pine.BSI.3.93.960806083356.20623A-100000@u1.abs.net>

Mike,
You can reach George Dobbs, G3RJV at g3rjv@gqrp.demon.co.uk
Rev. George Dobbs, G3RJV St. Aidan's Vicarage, 498 Manchester Road,
Rochdale, Lancs. OL11 3HE Telephone 011-44-01706-31812

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [2142] How to make PCBs
Message-ID: <199608060816.IAA15351@mail.enterprise.net>

The latest addition to my web page is an article on how to make PCBs with the UV exposure method. I hope it is of use to you.

Bye.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Jess Gypin" <JessQRP@msn.com>
Subject: [2184] Internet Phone
Message-ID: <UPMAIL04.199608062340510019@msn.com>

Hi all

To those that may be interested, you can get all of the scoop on internet phone from the following web site.

<http://www.vocaltec.com>

You can download either the Mac version or the PC version. The latest PC version is 4.0 and will give you a week to check it out.
I have been having fun talking to hams all over the world and even hooking up with 2 meter and 440 repeaters all over the US. WE have a net here in the

Denver metro area for the CQC club and I will be building the interface to hook up the computer via Iphone to 2 meters this week. I may get on the air and have the net available via I phone. If there is any interest please Email me

Best
Jess N0TFI

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: svecbrdk@well.com (L.Svec, W.Burdick)
Subject: [2163] KC2 field testers: Sierra/KC2 panels in Aug. 21 (est.)
Message-ID: <199608061503.IAA21678@mh1.well.com>

We hear that the custom KC2-compatible front panels for the Sierra will be delivered on about Aug. 21. These panels are pre-drilled for the Sierra with KC2 and ABX control and are painted light blue to match the Wilderness Sierra.

There will be a limited number of the panels made on this first run (100). Price is \$15 + \$3 shipping (priority mail). Call Bob Dyer at Wilderness for details.

73,
Wayne
N6KR

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: RobCap@aol.com
Subject: [2153] KC2/Heath trade
Message-ID: <960806090314_593428362@emout12.mail.aol.com>

Wayne-

Thanks for all. Will contact you after I've done some building, and I've gotten my prototype KC2 up and running.

Am now building my second St. Louis Tuner. I traded a fellow my completed tuner for his unbuilt St. Louis tuner. Oh, he threw in an unbuilt Heath variable power supply to even out the trade!

HE WAS THRILLED! AND I WAS THRILLED!

Isn't trading equipment an amazing thing?

73,

Rob

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Jerry Parker <jparker@fix.net>
Subject: [2173] KC2/Wilderness Web Page
Message-ID: <2.2.32.19960806070454.006e3744@fix.net>

The Wilderness Radio Web Page now has all the info and specs including a picture of the new KC2.

You can get there via the NorCal Page QRP Websites or

<http://www.fix.net/~jparker/wild.html>

72,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [2177] Life on Mars? QSL!
Message-ID: <960806211734_70731.722_EHM58-1@CompuServe.COM>

This report is not a joke, incredible as it may seem if you haven't been watching the news today (Tuesday) on CNN or on some other constant news source...

Tomorrow (Wednesday) NASA will hold a news conference at 1 P.M. Eastern time confirming that life has been found on the planet Mars. The discovery was made approximately 2 years ago and the evidence has been undergoing rigorous testing for confirmation before release to the public...

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: John Lockhart <jlockj@minn.net>
Subject: [2183] New FCC EMF Field Regulations!
Message-ID: <01BB83C5.A1055DA0@dialup-180.Minn.Net>

Recommend everyone check-out the ARRL and FCC OET web pages for info on new FCC regulations limiting RF fields. Amateur stations running under 50 watts output will be exempted from demonstrating that their installation does not expose people to fields in excess of those listed. Over 50 watts.....see the web sites! The FCC document is over 100 pages in length. (Make some coffee!)

Order your QRP rigs soon, there may be a rush on them! (Regulation effective January 1, 1997)

73, John WA0VQR

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [2143] NORCAL _ Please read
Message-ID: <199608060816.IAA15347@mail.enterprise.net>

Someone sent me an email asking me to add the UK connection for paying for Norcal kits. I am afraid it has been lost or lurking in some far away corner of my PC. Can you please re-send?
Thanks.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2166] OHR Classic mods
Message-ID: <32076a88.pandora@pandora.lugs.org.sg>

Hi Gang,

Well, there I was with some free time when I figured that I'd pull open the OHR Classic to see if I could make things better. I had just about pushed the ARK-20 as far as it could go with its original design but the Classic has been neglected somewhat. I have always had a feeling that the Classic was not as good as it should be. Previously there was the problem with the weak MPF-102 for the oscillator which got fixed when I replaced it with a J310. Things got much better with that. Even so there were some

problems:-

1. The audio was really too weak. I am not sure if I built this thing wrong or what but it's low. I have the AGC all checked out and in fact the signals are all there, just very low audio.

Looking over the circuit I decided to change the gain of the pre-amplifier stage. So I clipped R247 (100 ohms) and put in a 100k preset there ugly style. Boom, my ears nearly went out the window. Okay, so after some tweaking, I have the gain really high now.

2. BUT (isn't there always one) I now observe that even with higher gain, the signal to noise ratio was pretty bad. Plugging in the antenna, I can still hear the system noise.

Well, first I had U206 (NE5534N) changed to a TL081CP and that seemed to make it a little (just very little) bit less 'hissier'. Not content with this, I kept checking and noticed that the noise was coming primarily from the MC1350P mostly. Meanwhile I also observed quite a bit of low frequency humming (probably mains 50 Hz). I managed to fix this with a HUGE electrolytic across the power supply of the NE602AN. That made it more pleasant to listen to without all the rumble (I heard that low frequency sound moves the bowels :-)).

3. So now we are down to the IF stage noise. Well, I am waiting for the iron to heat up so I can solder in the electrolytic so I don't know about that yet.

I thought I'd post this for anyone who might be a little dissatisfied with the OHR Classic performance. I notice that quite a few Classics have gone up for sale lately. Perhaps some of these mods might change some minds. And, BTW, I added a switch to bypass the audio filter and much prefer the broader audio bandwidth. The filter cuts out quite a bit of hiss so I can switch it in or out as needed.

When I bought the Classic, I was told that it was one of the better rigs around (expensive but it was on sale then). However, in real life, I stick to the ARK-20 so much more. THAT is one hot rig. Oh well, the iron looks hot enough now. CUL.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [2186] PC-1 Sold
Message-ID: <19960807.014247.9743.2.k7yha@juno.com>

Gang:
thnx for the quick replies....the PC-1 readout is sold.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Harvey Winters <ve1hdw@fox.nstn.ca>
Subject: [2175] Portable operation
Message-ID: <1.5.4.32.19960806203118.0067fdf8@fox.nstn.ca>

Qrp field operations August 7th from a site in the
wilds of Nova Scotia. With the following callsigns

VE1ER Dave

VE1HDW Harvey

Start time 1200 UTC

Ending 2200 UTC

Frequency 10106mhz + qrm power out 2 watts OHR explorer 30
7040mhz + qrm power out 4 watts MFJ9040

Mode cw near 15 wpm

Also have 2 meter station operating qrp.

Mode FM voice

Both simplex and repeaters frequencies will be used.

Hope to work you.

72 De Harvey and Dave

Harvey D Winters VE1HDW

G-QRP 8973 CQC 177 QRP-ARCI 8963
QRP-L 115 New England NE397

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [2171] QRP Contest
Message-ID: <960806171603_75230.1405_HHB36-2@CompuServe.COM>

It's that time again-- the Colorado QRP Club's Summer QSO party is just around the corner. The rules follow, and anyone who'd rather send a CQC number than a power level has plenty of time to join the club. CQC info and membership application will be posted in a separate message.

73
Marshall (AA0XI)
VP CQC

The Colorado QRP Club announces the Summer QRP QSO Party

Date/Time: August 25, 1996 1800 - 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and
 Member # if CQC member, power output if not
 Example: 579 CO Jim NR 04

Suggested frequencies
CW 1825, 3560, 3710, 7040, 7110, 14060, 21060,
 21110, 28060, 28110
SSB 1910, 3985, 7285, 14285, 21385, 28385

No contacts on 30, 18 and 12 meters allowed

Classes: Single Band, Multi-band, Novice/Tech (all single operator only)

QSO Points:
CW- CQC member 6 pts, non-member 4 pts
SSB- CQC member 3 pts, non-member 2 pts

Multipliers:
States/Provinces/Countries worked.
The same station may be worked on different bands
for additional QSO points and multipliers. Contacts on
the same band using a different mode counts for QSO

points, but not as an additional multiplier

First Initials: Record first names alphabetically, one first name per letter of the alphabet. The number of letters worked (unique first initials) is the multiplier.

The name you send must be your commonly used name-- if your name is William and you usually work as Bill, use Bill.

Score: Total Score = QSO Points x SPC x Names

Bonus Points:

If you work the CQC club station KB0UCQ at least once, any band or mode, Add 1000 points to your final score.

Power: If you submit a log you must use 5 watts or less output, CW or SSB. There are no power multipliers, and you CAN log stations which are operating QRO..

Awards: To Be Determined, Highest Score in each class

Submit log showing for each contact:

Band, Mode, Time UTC, Callsign, RST Rc'd, SPC, Name ,
Member Number (or power if not CQC member),
Multiplier (1 if new SPC, 1 if new first initial, 2 if both), and
QSO Points (2,3,4 or 6 as described above)

Total the QSO points and multipliers, multiply QSO points by multipliers, and add the 1000 point bonus if you worked KB0UCQ to derive your final score..

For sample Log and Name sheets, send SASE and one unit first class postage to:

Jim-KG0PP-CQC; P.O.Box 31575; Aurora,CO 80041-0575

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Andy Stafford <100412.3337@CompuServe.COM>
Subject: [2144] QRP From 8Q7
Message-ID: <960806083932_100412.3337_BHG8-2@CompuServe.COM>

QRP OPERATION FROM 8Q7

Hope this message is readable, it's the first general message I've sent to QRP-L!

Information regarding this subject has previously been posted to the list by my good friend Peter G3XJS. This is now the definitive story!

I will be on holiday (OK vacation!) on Kuredu Island in the Maldives from 8th-23rd September 1996. I have obtained the callsign 8Q7AS and will be QRV from there from 10th-22nd September. The gear will be a TenTec Argonaut 535, 5 watts out and a Cushcraft R7 antenna, so I should be QRV all bands 10-40 metres including WARC.

I intend to concentrate on the QRP calling frequencies (hopefully the data interference won't be bad!); if I can't find any life there I shall be roving the bands. If you hear me, CALL ME! I will be listening especially for anyone signing QRP. Operation will be mostly (exclusively?) CW although I may throw the mike in to give the IOTA boys a call.

Remember, I am there on holiday; it is NOT a DXpedition. However, on a small, quiet island there is only so much sunbathing, swimming, eating and drinking you can do (I think) so I guess I should find some time to do a little radio. It is a once in a lifetime chance, after all.

I am not sure if my address is OK in the callbook; here is my correct home address:-

Andy Stafford, 13 Hospital Lane, South Petherton, Somerset TA13 5AR, United Kingdom.

All QSLs will be answered. If sending direct \$1 US will do fine for postage, SASE would be nice.

I don't plan to make any skeds as it is a holiday, but will do my best to be active and make the most of any conditions.

Hope to work you!

72

Andy G4VPM

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996

From: wager@juno.com (James W. Cates)
Subject: [2162] RockHound Collared
Message-ID: <19960806.080311.3934.4.wager@juno.com>

Ah, the wiley RockHound could not escape the intrepid members of the net, who individually and collectively stopped whatever they were doing, and joined in the search. What a great group! Many thanks to everyone. Brinks will be transporting the elusive RockHound down from Washington.
jim

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [2147] S&S Eng PC-1 Digi Readout FS
Message-ID: <19960806.105250.4447.2.k7yha@juno.com>

Gang:

Have the PC-1 digital readout by S&S Eng that has been sitting around the shack for over a year, doing absolutely nothing. Anyone need a readout for a T-T Argo 505/509/515 or similar QRP rig?

\$50 and I ship. Have all manuals.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Paul Girling <paul.girling@eng.monash.edu.au>
Subject: [2140] Sangean portable for QRP rx?
Message-ID: <C5027E0932@eng2.eng.monash.edu.au>

Hi all,

Has anyone had any experience using a Sangean ATS 803A/ RS DX440 as a rx for portable qrp work? If so is there any way to arrange a mute on it for when I want to transmit? It would be preferable to have this arrangement rather than turning it on and off all the time. Any comments, ideas or suggestions will be most appreciated.

Paul Girling VK3ALE
Melbourne, Vic. Australia.

Packet: VK3ALE@VK3BBS.#MEL.VIC.AUS.OC

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: kellner@usa.acsys.com (Richard G. Kellner)
Subject: [2141] Solder cream
Message-ID: <9608060457.AA02083@usa.acsys.com>

I bought some solder cream for use with SOP and SSOP components. Of course, no instructions came with it. Does one just goop it on the leads, or on the pads, or what? What keeps the solder from flowing across the gaps?

Thanks,
Rich W5RXP

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Michael Gipe" <MichaelGipe@msn.com>
Subject: [2180] Solder cream
Message-ID: <UPMAIL06.199608062251440452@msn.com>

W5RXP asked:

<<

I bought some solder cream for use with SOP and SSOP components. Of course, no instructions came with it. Does one just goop it on the leads, or on the pads, or what? What keeps the solder from flowing across the gaps?

>>

Carefully apply a measured amount on each pad. (For one-off work, commercial SMT workers use a machine that squirts a measured amount each time the foot switch is pressed. Volume production uses a screen printing process.) Place the IC on the board. The goop will hold it in place pretty well. Touch each lead and pad with a small soldering iron and hold for about three to four seconds. If you put on the right amount, and if your board has a proper solder mask, you shouldn't bridge any pins. When you have soldered everything, clean off the flux with flux remover or alcohol. Then test your work by attempting to pull or bend each IC lead with a pair of tweezers. A proper joint is quite (translate to "very" for the G's) strong. A poor joint may look fine visually, but will pull loose easily.

That said, I should also mention that I don't like to use the paste for prototype work. It works best with well controlled reflow soldering, but doesn't have quite enough flux to handle the vagaries of my hand soldering technique. Also, if you don't get the right amount of cream on all the pads, the IC won't have a level surface to sit on. Some pads will be higher than others, making it difficult for all of them to make good contact. I prefer to apply straight liquid Kester 44 flux to the PC pads, place the IC, then heat

the pin with an iron to which I've applied a very small amount of solder. The solder will flow easily into the joint. Then, clean and test. Looks downright professional (sometimes).

Hope this helps.

Mike AG...(oops).....K1MG

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: bfollett@ditell.com
Subject: [2172] Strings & Trees
Message-ID: <199608061830.MAA19605@orion.ditell.com>

Gang:

Randy wrote:<<

The thing is, when rock is really rounded it slips right out of the string without the tape. And, I also learned that a rock wrapped in tape doesn't make as much noise ("bong!") after it hits the natural gas tank located immediately adjacent to the trees I was trying to use. >>

When not carrying a slingshot, I found a sock serves well for holding the rock, and is more secure than using tape. (I also use the sock for getting the food bag up in the trees away from the small critters and bears)

73, Bob

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett.ditell.com

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: jaykumar@crypt.erie.ge.com (Jaykumar)
Subject: [2152] Summary of 'Lifetime' discussion
Message-ID: <9608061254.AA07390@t84.erie.ge.com>

Once again the list has shown its attitude. I'd say this list is the best form of utilization on internet resources.

I get qrp-1 as a digest, so I couldn't take part in the discussion. Here is the summary of all the opinions:

1. Everyone seems to agree that silicon doesn't die out; unless abused. Many quoted 100,000 hrs of life in ideal (or even normal) conditions. Which is 57 years taken 5hrs per day. Quite a bit, indeed.
2. Infancy Defects cause premature failure. If they don't die young, they don't die at all. They just loose bulbs :-) (courtesy: N3G0)
3. Components like caps lower the Mean Time Between Failures (MTBF) of an equipment. But then again, that is not the end of life.
4. Tubes keep going and going and going....

And to give a bit of background, I was looking for used equipment and came across a piece about 20 years old. Out of curiosity & ignorance I asked the owner 'Isn't the lifetime of this radio over ?'. He felt offended and went on to teach me a lesson in ham etiquette:

Never make a bad remark about a radio to its owner.

Thanks to everyone on the list,

73 de Jay vu3crj/kb3bgv

--

Jay Kumar, 14-3, GE Transportation systems, Erie, PA.

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [2174] Ten Tec 509 worth??
Message-ID: <9608061908.AA26290@wizard.ucs.sfu.ca>

Hi Everyone,

A friend has a 509 he is thinking of selling. Any idea what they are worth???

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: lhalliday@creo.bc.ca
Subject: [2157] The Big Apple?
Message-ID: <9607068393.AA839340373@mail.creo.bc.ca>

I'm saving my employers some money by staying a Saturday night out of town on an upcoming business trip, and the way things work out, I'll be in New York City while I'm doing it. A dirty job, but somebody's got to do it... :-)

Anyway, are there any not-to-be-missed radio places I should know about? Any prime examples of the classic Surplus Electronic Junk Store? I assume I can buy more-or-less anything I want in a town that big, but all pointers and other information are more than welcome.

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [2164] Trip Report - High Adventure/Low HF (long)
Message-ID: <32076329.6F02@bnl.gov>

Hi all,

Well, I'm back. I made through another week of Boy Scout summer camp alive. This year I went on the High Adventure backpacking trek along the Bushkill river in eastern Pa. in the Pocono Mtns. We all had a great time and the boys loved camping and hiking along the river. We did not have the best WX for this type of event. I think it rained somewhere during the course of each day or night. This put a damper on my operating time. We hiked and participated in some type of fun event

during the day and then settled down to cook dinner and hang out around a fire each evening. After dinner was my operating time. Because of the terrain, WX, or my energy level, I only set up the antenna 3 evenings out of the week.

I've been trying to hook up with Dennis-K3ETS for several weeks now and have had no luck. I don't think he's been doing well at all on this TMPS event. I told him to look for me in the evenings during my trek. I also made a sched with a friend back home on LI. Each night I called for AA2Q0 and K3ETS and two out of three nights I heard Dennis-K2ETS.

It was great to finally hook up. Both our signals were down in the mud, but we made the Q. I never heard Mike-AA2Q0 but others said they heard him calling me. I guess we were too close or something.

I brought the following gear with me: an SW-30 at about 2 watts; a home made light weight straight key; a home made light weight 30m dipole in a baggie; a 6ah gel cel (about 5 pounds?); a 30 foot length of RG-58 for a feed line. All totally about 7-8 pounds (I guess). I include approximate weights for the Adventure Radio Society crowd :)

Everything for the week had to be carried in our packs, except the food. We only took 4 trail meals at a time with scheduled water and food drop points. With all the rain, we added a little extra weight with wet cloths and wet tents. We tried to build decent fires each evening to dry out our clothes and towels, but it rained almost every night so the tents had to be packed up wet and carried. We didn't do as much milage as I originally expected. Our trip plan brought us about 25 miles total for the week on foot. The scenery was beautiful and the trails were not trampled down at all. In some places we had to bush wack our way to the next stop.

I use my light weight nylon line and a rock to get the antenna ends in the trees and always worked a flat top dipole with no tuner. I cut the dipole for resonance before-hand so I wouldn't have to pack a tuner. I also used a straight key to eliminate an external keyer and paddles. I didn't make many contacts. I was pretty tired each evening and couldn't really concentrate with the boys making a racket around the fire and all.

Here's my log:

1 7/29/96@2330	K5DMC	339/559	"JERRY"	Pass Christian, Ms.
2 7/30/96@0145	K3ETS/QRP 229/219		"DENNIS"	Dallas, Tx.
3 7/30/96@0205	N0CRS	449/579	"STEVE"	Monticello, Mn.
4 7/31/96@2350	YT70M	339/559	"JOE"	Yugoslavia
5 8/1/96@0010	K3ETS/QRP 239/239		"DENNIS"	Dallas, Tx.
6 8/1/96@0115	K4CRF	559/579	"JOHN"	Blackville, SC

7 8/2/96@0130 KU0J 579/559 "GOR" Minneapolis, Mn.
8 8/2/96@0200 AE4JM/QRP 579/579 "MATT" Section, Al.

Taking my heaviest estimate of 8 pounds total station and antenna weight, that's 1 Q per pound. Not too effecient, but I had fun! Not terrible for my first official ARS operation. I forgot my ARS number but find out when I get my certificate of membership soon.

I always take qrp gear and a large gel cel (26ah) with me to summer camp, but I'm usually in one camp site for the whole week. This was my first experience at actually backpacking my gear with me from place to place and setting up my station every time I wanted to operate. The antenna went up real easy each time and operating went smooth. I only had two problems: One was, I'm not used to using a straight key and keep sending QLF code (sorry). The other problem is now I'm suffering from the poison sumac I got from putting up my antenna and hiking through the woods (scratch! scratch! :)

Well, that's about it for now. Glad to be back. Can't wait to do it again. Hope this poison sumac goes away quickly.

72 fer nw,
nick

--
Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Bob Marsh <bmarsh@hicom.net>
Subject: [2176] Viking Challenger
Message-ID: <3207EA46.32DB@hicom.net>

Hi All,

Someone just gave me a Viking Challenger Transmitter. It's a tube job, with crystal control. There's no manual or anything, so I don't even know the power output. (I suspect around 75 watts). Does anyone know if this can be operated QRP? Also if there's a manual out there, I'd like to get a copy. I'm told there's also a VFO that can be used with this rig, too.

Does anyone else have one of these? I realize this isn't strictly QRP, but it COULD be, right? (nyuk, nyuk!)

Thanks for the help es 73/72 de Bob/KB2SGM

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [2159] Re: Atomic Keyer addresses
Message-ID: <9607068393.AA839349424@smtpgw.ccgate.dl.nec.com>

Charles and group:

Thanks for the info, but had this. Needed
the telephone number if it is available, or
email address of owners would do.

Thanks again.

----- Reply Separator -----
Subject: Atomic Keyer addresses
Author: sun1055!ccashion@uunet.uu.net at smtpink-dl
From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Michael A. Gipe" <71756.3631@compuserve.com>
Subject: [2170] Re: Change of identity
Message-ID: <199608061348_MC1-822-2C8D@compuserve.com>

>> Mike- Why on earth did you change it in the first place!! hi hi

The answer is simple, if you think like a bureaucrat.

I was born many years ago as a novice, WN3GAU, then the FCC changed that a month later to general WA3GAU. The day after the FCC created and made the advanced class available, I hiked down to the FCC office and passed that. Then two years to the day after becoming WN3GAU, I made another pilgrimage to the FCC and passed the extra. (Back then, you couldn't take the extra exam until you were licensed two years.) Still holding WA3GAU, I moved temporarily to New England, where I got a secondary station license, and when the FCC decided back then (early 70's?) to allow vanity calls for a short period, I got K1MG. Then the bureaucrats decided to cancel all secondary station licenses around the time I moved permanently to New England, and the result of the mess was changing my primary license from WA3GAU to standard issue AG1H and dropping K1MG. I later moved to 6-land just around the time that the FCC decided not to issue new calls when you moved into a new call area, so AG1H came with me. So, in true government bureaucratese: "The new call is the same call as the old call which was new when the older call was still new, but was replaced by a newer call even as the oldest call became the old one, although the newer old call stayed new even at the new location." So now I have a new one.

I guess that means I have to start over again on DXCC and WAS.

Hope this clarifies things, or at least entertains...

Mike AG..(oops)..... K1MG

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [2191] Re: Fwd: ARLB050 New RF standards Part 1
Message-ID: <Pine.SUN.3.90.960806204118.24616A-100000@vortex.sage.dri.edu>

On Tue, 6 Aug 1996 KT3A@aol.com wrote:

> >Evaluating the Environmental Effects of Radiofrequency Radiation),
> >Part 97 will require hams running more than 50 W PEP to conduct
> >routine RF radiation evaluations to determine if RF fields are
> >sufficient to cause human exposure to RF radiation levels in excess
> >of those specified.
>
>
> ''Exactly what is involved in conducting a 'routine RF radiation
> evaluation' is not yet clear,'' observed ARRL Executive Secretary
> David Sumner, K1ZZ,
> Sumner noted that the FCC expects it will not be
> difficult for most amateur stations to show that the specified
> limits will be met.
>

Typical Klintonese.....guilty till proven guilty!

What the heck, will still have more trees, lets cut them
down, make more paper and write more laws.....!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Dick G0BPS <Dick@kanga.demon.co.uk>
Subject: [2158] Re: GQRP - Tools

Message-ID: <g9p+VKAET0ByEweD@kanga.demon.co.uk>

In message <199608051817.SAA07743@mail.enterprise.net>, Frank G3YCC
<g3ycc@enterprise.net> writes
>OK, so we have a nice selection of books for the beginner to look through.
>Now how about your ideas on what tools, gadgets etc the newcomer to home
>construction may need? Again your comments will be listed on the web
>site.
>Thanks for taking time to read this, please give it some thought to assist
>those new to the hobby.

Fine soldering iron
Fine solder
Sidecutters
Multimeter
small vice
solder sucker
sharp knife
14lb hammer

The last item is for when it all goes 'orribly wrong.

Dick G0BPS/G0R00/M1ABJ Kanga Products
<http://ukinternet.com/ham/kanga>
QRP is about doing more with less

From owner-qrp-l@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [2188] RE: Juno Info
Message-ID: <19960804.130349.4799.0.wb2vuo@juno.com>

For all who asked me to submit their names to Juno, I must say "sorry".
I had a static-induced glitch, and lost a grunch of files here. Re-did
the CMOS, go the computer to remember that there IS a "D" drive, but no
Juno list.

To request a FREE copy of the most current Juno software, call
1-800-654-JUNO

The menu will guide you from that point on...

72/73, Keith, WB2VUO, QRP-L #582

wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "M. E. Monninger" <markem@primenet.com>
Subject: [2189] RE: Juno Info
Message-ID: <1.5.4.32.19960806192758.002fd710@mailhost.primenet.com>

At 01:03 PM 8/4/96 PST, WB2VUO wrote:

> ...
>To request a FREE copy of the most current Juno software, call
>1-800-654-JUNO
>

You can also send a request from their web page: <http://www.juno.com>

I have no connection with Juno (not even as a user), just passing along some info.

Mark AA7TA

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [2179] Re: Life on Mars? QSL!
Message-ID: <199608062232.QAA13042@kitsune.swcp.com>

At 05:17 PM 8/6/96 EDT, Dan Keen wrote:

>This report is not a joke, incredible as it may seem if you haven't been
>watching the news today (Tuesday) on CNN or on some other constant news
>source...
>
>Tomorrow (Wednesday) NASA will hold a news conference at 1 P.M. Eastern time
>confirming that life has been found on the planet Mars. The discovery was
>made approximately 2 years ago and the evidence has been undergoing rigorous
>testing for confirmation before release to the public...
>

Hello Everybody,

Keep in mind that these aren't little green men that were found on Mars...NASA thinks they found single-celled organisms that are/were millions of years old.

Details can be found at www.nasa.gov, then click on "Today@NASA" for all the latest details. Now, back to QRP...

72,

Brian, N5ZGT

Boy Scouts of America	Amateur Radio - N5ZGT
JASM -Troop 41	ARRL QRP: NorCal# 1700 QRP-L# 580
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [2185] Re: Life on Mars? QSL!
Message-ID: <Pine.SOL.3.94.960806205824.9883B-100000@utkux4.utcc.utk.edu>

Unfortunately, if you examine the information presented and are rigorous with your rules of evidence, the confirmation amounts only to a slightly higher probability that at one time there may have been rudimentary life on Mars in the bacterial or similar order. IF the meterites are in fact pieces of Mars (which is strongly, but not 100% indicated), and IF there are no other courses plausible for the deposits in the meteorites (which is not quite so strongly indicated), and IF a few other things (more or less indicated), then there is a good chance that life may have been present some billions of years ago.

But no hams, and no QRPers, unless microbial power qualifies. (Obligatory QRP note)

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2167] Re: OHR Classic mods
Message-ID: <32077bb0.pandora@pandora.lugs.org.sg>

On Tue, 6 Aug 1996 09:17:43 -0700 (PDT), "Dana H. Myers" <myers@bigboy.West.Sun.COM> wrote:
> me the noise is mostly coming from the MC1350. I'd put the 5534 back in
> the circuit, by the way.

Yes, I probably should.

> Do you know to estimate system noise figure? Maybe someone already has -
> it is worth asking on the list. Anyway, if you do, you should be able

Perhaps. I haven't worked out the NF for the various stages just yet.

> to determine which stages are contributing to the receiver noise - I'll
> bet it isn't the audio amplifier.

Well, for the crude way I used (shorting out stage by stage), I must say that there is some noise from the audio amp (LM380). Even with the volume control all the way down there is a mildly perceptible hissing. This is nothing compared to the noise coming from the MC1350 of course. There seems to be appreciable IF noise. The audio stages are quiet compared to the IF, of course. The question is how to get rid of all that noise. Even in my ARK-20, quite a bit of noise comes from the MC1350 but the ARK is very quiet compared to the Classic, and much more sensitive too. Pulling out the antenna reduces noise almost completely. Now, THAT is a good sign.

Thanks Dana. Always appreciate your comments!

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: jehutter@juno.com (John E. Hutter)
Subject: [2169] Re: OHR Classic mods
Message-ID: <19960806.122644.16487.0.JEHutter@juno.com>

On Tue, 06 Aug 1996 23:53:43 +0800 "W. Daniel, 9V1ZV"
<daniel@pandora.lugs.org.sg> writes:

<SNIP>

> HUGE electrolytic across the power supply of the NE602AN. That
> made it
> more pleasant to listen to without all the rumble (I heard
> that low
> frequency sound moves the bowels :-)).
>

HEY!!! There's money to made here, Folks!!! A cure for constipation that doesn't involve ingestion of extraneous clays and other chemicals, just clip that sucker on your belt and head for the nearest head (I can't believe I said that!).

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [2175] Re: OHR Classic mods
Message-ID: <Roam.3.0.839362558.30903.myers@bigboy>

Daniel Wee wrote:

> Well, for the crude way I used (shorting out stage by stage), I must say
> that there is some noise from the audio amp (LM380). Even with the volume
> control all the way down there is a midly perceptible hissing. This is
> nothing compared to the noise coming from the MC1350 of course. There seems
> to be appreciable IF noise. The audio stages are quiet compared to the IF,
> of course. The question is how to get rid of all that noise. Even in my
> ARK-20, quite a bit of noise comes from the MC1350 but the ARK is very quiet
> compared to the Classic, and much more sensitive too. Pulling out the
> antenna reduces noise almost completely. Now, THAT is a good sign.

I didn't intend to suggest that the audio stages don't contribute noise, what I really meant is that the contribution to the overall receiver noise by the audio stages is probably insignificant.

The classic approach to reducing receiver noise level is to put a low noise amplifier with a lot of gain in front of the receiver. The usual problem with this is that the receiver dynamic range can be compromised unless you're really careful. What is the actual receiver layout in the OHR classic?

Dana KK6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Robert J. Gobrick" <rgobrick@nflld.com>
Subject: [2181] Re: QRP Contest
Message-ID: <2.2.32.19960806222400.009868bc@public.compusult.nf.ca>

Hi Marshall,

Thanks for the post on the upcoming CQC contest - I'm about to change my name to Xeon or something to garner some extra q's....

Do you (or does anyone in the club) have an electronic version of the log sheet and tally sheet that can be attached to an email and sent to me (I have most wp and spreadsheet programs here). I think I used up that sample one that Rich send out a year ago.

Thanks 73/72 Bob V01DRB/WA6ERB

PS: Tell the Colorado gang to head their 20 meter rhombic arrays north east for a Colorado member exchange with Newfoundland (no land line contest skeds allowed..)

At 13:16 8/6/96 EDT, you wrote:

>It's that time again-- the Colorado QRP Club's Summer QSO party is just
>around the corner.

>Marshall (AA0XI)

>VP CQC

>

>The Colorado QRP Club announces the Summer QRP QSO Party

>

>Date/Time: August 25, 1996 1800 - 2359 UTC

>

```
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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:     rgobrick@nfld.com |
| Compuserve:   70466.1405@compuserve.com |
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From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996

From: Philip Karras <ke3fl@access.digex.net>

Subject: [2154] RE: slinging yer wire into the trees

Message-ID: <Pine.SUN.3.94.960806093543.10063B-100000@access4.digex.net>

I use an old spark plug (cleaned up a bit) It works very well & I've gotten good at placing it between braches as well. I can only throw it about 30 ft dragging the string behind, but my 40 meter camping dipole was cut for 20 - 30 feet & works very well in that range.

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [2155] RE: slinging yer wire into the trees
Message-ID: <01BB8373.472056C0@muenzlerk.uthscsa.edu>

Something that works great and is not as "dangerous" as a spark plug is a casting weight, these are used for practice and are pretty harmless. You can get these at your local tackle shop. They are made of hard rubber and weigh several ounces.

Kevin, WB5RUE

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: sholla@panasonic.atlanta.com (Holland, Steve)
Subject: [2160] RE: slinging yer wire into the trees
Message-ID: <1996Aug06.105800.1619.39762@ntserver.panasonic.atlanta.com>

I've used the casting weight for years and it works great. The only addition I did was I use a fishing rod and a slingshot. This allows me to shoot the weight where I want it and then I tie a heavier line to the fishing line and pull it up and then use that line to pull my ropes up for the antenna. The fishing line will break if you use too heavy of a line. And since this is QRP you can just use an old handle from a rod. A friend of mine attached his reel to his slingshot, (I have seen commercial models also) but I prefer home-brew. I personally like the entire rod so I can do some fishing while I am not on the radio. You do get some interesting looks if you have your rod out where the closest lake is a hundred miles. 72 de N9HXX/4

Steve N9HXX/4
sholla@panasonic.atlanta.com
QRP-L # 555
NNN00NT-T

From: muenzlerk[SMTP:muenzlerk@uthscsa.edu]
Sent: August 06 1996 09:51
Subject: RE: slinging yer wire into the trees

Something that works great and is not as "dangerous" as a spark plug is a casting weight, these are used for practice and are pretty harmless. You can get these at your local tackle shop. They are made of hard rubber and weigh several ounces.

Kevin, WB5RUE

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [2178] RE: slinging yer wire into the trees
Message-ID: <1490AC60BA1@manage.paccd.cc.ca.us>

A technique used by many amateurs for putting wire antennas in trees is the combination of a sling shot and a fly fishing rod. The arm braced sling shot appears to be the favorite and is available from most sporting goods stores. I use 7/16, 1/2 or 9/16 inch bolts for the weights depending on height, distance and wind conditions. I can easily put the fishing line over a 90 foot pine tree in my yard.

I use a bright yellow mason's line for the first three feet of the line and a plated hex nut. This makes it easier to spot the end of the line on the other side of the tree. Once the fishing line is over the tree I use the fishing line to pull over a run of mason's line. Once the mason's line is in place I can pull over a 1/4" rope if it is a temporary installation or 1/16" aircraft cable if it is going to be a long time installation.

A few words of caution. Be sure there is nobody on the other side of the tree (fortunately I have a big yard). Store your sling shot properly in an air-tight plastic bag so the rubber will not deteriorate. Mine is nearly 15 years old and is still in very good condition, but I also wear Z-27 grade safety glasses while using the sling shot. From comments by others I understand that K-Mart and other stores of that type carry what is called a "Rocket Launcher", that is a similar arm braced sling shot to mine, which is a Whammo.

Some folks do not use a fly rod to dispense the fishing line. They

just lay the line in a circular pattern on closely cut glass or a concrete surface. My yard is a forest and there is lots of debris on the ground that tends to get tangled in the fishing line, so I use a fly rod. Also my cats tend to attack anything on the ground that moves.

The sling slot method works very nicely in the open wilderness areas as well. One VK with whom I spoke mentioned that his community passed a special law exempting radio amateurs from restrictions against sling shots. You might want to check for local restrictions, but I would certainly consider the sling shot to be safer than the bow and arrow approach that some use for hanging antennas in trees.

The accuracy with the sling shot will amaze you once you become accustomed to it. Mason's line is available in most hardware stores for less than \$5.00 for 500 feet. The mason's line is excellent for small temporary wire antenna installations.

For low level work I have a 1-1/2 inch hex nut that I can throw like a baseball, however, much attention must be given to the landing spot. Good luck.

73, Harvey, N6MM

TMPS 96: QSOs=246, WAS=48, DXCC=040 OHR 400, dipole/loop/wire beam
States needed: VT and DE
DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU
C6A XE LA ZF 5N CO CY0 PY V7 HC V6 T32 KC6 P4 TI ZK1(so) UA0
KH8 ZP OZ ZK2

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> I've gotten good at placing it between braches as well. I can
> only throw it about 30 ft dragging the string behind, but my 40
> meter camping dipole was cut for 20 - 30 feet & works very well
> in that range.

>

> 72 & 73 de KE3FL/Phil

> :-)

>

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>

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From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: sholla@panasonic.atlanta.com (Holland, Steve)

Subject: [2146] RE: Solder cream

Message-ID: <1996Aug06.062300.1619.39663@ntserver.panasonic.atlanta.com>

Rich:

Hello, I thought I would try to help. Solder cream or solder paste is normally used in manufacturing when you are going to flow solder large numbers of parts on a PCB. We make a mask and then apply the solder paste through the mask onto the PCB. Similar to silk screening a T-shirt. One of the biggest problems we have with the paste is that it dries out before the parts are placed and the solder gets run. This makes for a cold solder joint or no joint. If you are applying it by hand I recommend that you use a syringe and needle to place a small amount on the pad and then place the part and solder. I prefer liquid flux over paste/cream. This can be purchased from numerous sources and tends to give better results when hand soldering. You also don't have to keep it refrigerated like a lot of the paste/cream brands. The only bad part of liquid flux is the need to clean the PCB after the work is completed. Some use plain water and some need alcohol or similar cleaning methods.

In answer to your second question, yes solder can flow across the gaps and does. I use solder wick to remove excess solder. When soldering any surface mount part use as fine a tip as possible and the smallest diameter solder possible. This will help stop solder flowing across the pads. With a little practice you can solder and not get blobs of solder across the legs. Do not worry if you do, the excess solder can be removed. Also solder as quickly as possible. The heat from your iron can lift the pads if applied to long. Surface mount pads are very easy to lift by applying to much heat. This is especially important when removing parts. If you have any additional questions please contact me direct. I hope this helps some. 72 de N9HXX/4

Steve N9HXX/4

sholla@panasonic.atlanta.com

QRP-L # 555

From: kellner[SMTP:kellner@usa.acsys.com]

Sent: August 06 1996 01:02

Subject: Solder cream

I bought some solder cream for use with SOP and SSOP components. Of course, no instructions came with it. Does one just goop it on the leads, or on the pads, or what? What keeps the solder from flowing across the gaps?

Thanks,
Rich W5RXP

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: brozenske@juno.com (Barrie L Brozenske)
Subject: [2148] Re: Solder cream
Message-ID: <19960806.070654.9078.1.Brozenske@juno.com>

Rich, the cream (or paste as the surface mount assembly people refer to it) is usually placed on the pads in a thin layer. The part is placed in the paste, where it sticks enough to stay in place if the board is moved gently. Apply soldering iron to each pad in turn if you don't intend to oven or hot air reflow (if you have to ask, use an iron). Hold the part in place when heating the first joint, or it will float out of place due to the surface tension of the melted solder. Let cool before doing the rest, so part stays put.

The green coating on most Printed Wiring Boards these days is a solder mask that prevents wicking along the board IF you put the right amount of paste on the pad and keep it on the pads only--don't let the paste bridge the pads or you will have problems. Just watch for bridges, and clear them out with solder wick as you go. Also watch for open joints that can be almost invisible. You should not be able to move a good joint. It helps to work under a magnifier, but here is one area where us nearsighted guys have an advantage if we remember to take our glasses off. Hi hi.

A lot of the techs where I work like to flow a bit of liquid flux on the pasted pads after the part is placed in position when they work with an iron.

Hope this helps.

73,
Barrie Brozenske, K3BUZ
brozenske@juno.com

On Mon, 5 Aug 96 22:57:49 MDT kellner@usa.acsys.com (Richard G. Kellner) writes:

>I bought some solder cream for use with SOP and SSOP
>components. Of course, no instructions came with it.
>Does one just goop it on the leads, or on the pads, or
>what? What keeps the solder from flowing across the gaps?

>
>Thanks,
>Rich W5RXP
>
>

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Jerry B. Altzman" <jbaltz@cs.columbia.edu>
Subject: [2159] Re: The Big Apple?
Message-ID: <199608061436.KAA18742@play.cs.columbia.edu>

On Mon, 05 Aug 1996 13:55:33 PST, lhalliday@creo.bc.ca wrote:

Anyway, are there any not-to-be-missed radio places I should know about? Any prime examples of the classic Surplus Electronic Junk Store? I assume I can buy more-or-less anything I want in a town that big, but all pointers and other information are more than welcome.

NYC is pretty much devoid of anything ham-radio. (Barry's Electronics isn't worth the visit.) You'd be surprised. There are lots of Radio Shacks, though.

Enjoy your stay. Wave to me if you're in Brooklyn!

Laura Halliday VE7LDH "C'est une femme mutine, assez

//jbaltz

--

jerry b. altzman Entropy just isn't what it used to be +1 212 650 5617
jbaltz@cs.columbia.edu jbaltz@scisun.sci.ccny.cuny.edu KE3ML

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Bernard Seront <seront@seism1.ess.sunysb.edu>
Subject: [2161] Re: The Big Apple?
Message-ID: <2.2.32.19960806150206.00738a50@seism1.ess.sunysb.edu>

>Anyway, are there any not-to-be-missed radio places I should know
>about? Any prime examples of the classic Surplus Electronic Junk
>Store? I assume I can buy more-or-less anything I want in a town that
>big, but all pointers and other information are more than welcome.
>
>Laura Halliday VE7LDH

I've been very surprised how difficult it is to even find "usual" electronic

components in NYC and around!

Canal street used to be (I've been told) the place for "junk, electronic, surplus...", keep "junk" that's about it (worth a visit anyway for the folklore, but nothing interesting to be found).

There's the "Picasso, portraiture" special exhibit at the Museum of Modern Art ...

Bernard, KB2TGH.

PS: if I missed an interesting place, I would be very happy to know about it.

Bernard Seront, seront@seism1.ess.sunysb.edu (MIME ok)
<http://rock.ess.sunysb.edu:8080/>

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: SNickrand@aol.com
Subject: [2192] Re: Tools (and other things)
Message-ID: <960806235921_254471933@emout10.mail.aol.com>

Good idea, Frank, on soliciting ideas from members on what tools the newcomer needs. I vote for a DMM as the first tool to get (after a soldering iron).

I also would like to see trouble shooting tips for circuits. Things like using a resistance meter to check out capacitors and diodes in the circuit. With all the home brewing going on as well as stuff being bought at flea markets, trouble shooting is a necessary skill.

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Stanley Wilson <microres@crl.com>
Subject: [2182] Re: Viking Challenger
Message-ID: <Pine.SUN.3.91.960806155302.21654A-100000@crl13.crl.com>

You have a nice xmitter Bob. In the 50's it was QRP. Runs 75 watts input max with about 35 watts output. Circuit is almost exactly like many in the ARRL handbooks of the 50's. Have Fun..

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996

From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [2145] Re: What is the lifetime of a radio ?
Message-ID: <960806091749Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

I've just read a posting by Paul WB8ZJL, which made me stop and smile, saying that you "NEVER see solid state stuff that old." I wonder if that might be because the gear made 60 years ago tended to be made of Valves as Transistors were either too expensive, or didn't exist in the same numbers as Valves did?

Mind you, there is the point of view that says that Valved equipment, due to the size and weight of the components, had to be engineered to cope with the technology available at the time. Whilst Solid State gear, being lighter and needing lower voltage and current ratings, can be built to a price.

A case of you get what you pay for?

Cheers de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [2156] Re: What is the lifetime of a radio ?
Message-ID: <Roam.3.0.839340110.4789.myers@bigboy>

>
> I've just read a posting by Paul WB8ZJL, which made me stop and smile,
> saying that you "NEVER see solid state stuff that old." I wonder if
> that might be because the gear made 60 years ago tended to be made of
> Valves as Transistors were either too expensive, or didn't exist in
> the same numbers as Valves did?

There was no solid state gear made 60 years ago because transistors weren't invented until 1948 or so.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Tue Aug 6 23:21:08 1996
From: Duane Anderson <usnret@cris.com>
Subject: [2193] Re: WIMU96 Report
Message-ID: <3208148D.405C@concentric.net>

Monte Stark wrote:

>

> A grand time had by all!

>

> The drawings were won by the following:

>

> Oak Hills Explorer II 40m won by AA7AA. (I don't have his name handy)

AA7AA is Andy Flores

>

> Dwane Anderson, KJ7H0, and his wonderful wife, DeAnne, (whos

Duane (KJ7H0) and DeAnna (KC7ISG)

> call I can't remember and I don't see it anyplace here!), did

> On top of that, Dwane and DeAnne, (boy, I hope I'm spelling these

> names right!), were kind enough to come to the Airport in Salt Lake

> City to pick me up Friday afternoon and return me back there Sunday

> after the event.

> It was our pleasure, Monte and hope you had a pleasant trip back to Reno.

72/73,

Duane, KJ7H0.